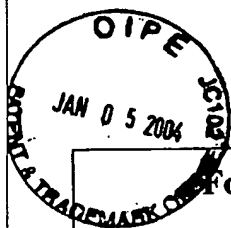




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		Applicant David J. Ecker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
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Patent and Trademark Office

Docket No.
ISIS-5318

Application No.
10/700,939

Applicant
David J. Ecker, et al.

Filing Date
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Group
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Examiner Initial		Document No.	Date	Name	Class	Subclass

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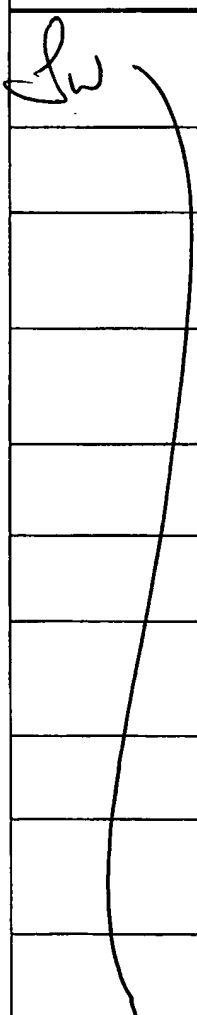
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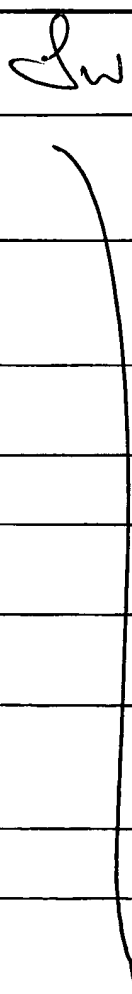
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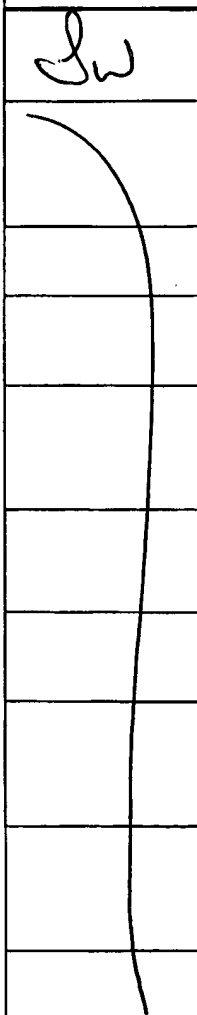
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







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	157	5,013,830	5/7/91	Ohtsuka, et al.	536	27	
	158	5,023,243	6/11/91	Tullis	514	44	
	159	5,142,047	8/25/92	Tullis	514	44	
	160	5,149,797	9/22/92	Pederson, et al.	536	27	
	161	5,177,198	1/5/93	Spielvogel, et al.	514	45	
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	163	5,223,618	6/29/93	Cook, et al.	544	276	
	164	5,235,033	8/10/93	Summerton, et al.	528	391	
	165	5,256,775	10/26/93	Froehler	536	25.6	
	166	5,264,562	11/23/93	Matteucci	536	23.1	
	167	5,264,564	11/23/93	Matteucci	536	23.1	
	168	5,359,044	10/25/94	Cook, et al.	536	23.1	
	169	5,366,878	11/22/94	Pederson, et al.	435	91.3	
	170	5,378,825	1/3/95	Cook, et al.	536	25.34	
	171	5,459,255	10/17/95	Cook, et al.	536	27.13	
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	173	5,466,786	11/14/95	Buhr, et al.	536	26.26	
	174	5,476,925	12/19/95	Letsinger, et al.	536	23.1	
	175	5,484,908	1/16/96	Froehler, et al.	536	24.31	
	176	5,506,351	4/9/96	McGee	536	55.3	
	177	5,514,786	5/7/96	Cook, et al.			
	178	5,386,023	1/31/95	Sanghvi, et al.	536	25.3	
	179	5,489,677	2/6/96	Sanghvi, et al.	536	22.1	
	180	5,539,083	7/23/96	Cook, et al.	530	333	
	181	5,506,337	4/9/96	Summerton, et al.	528	391	
	182	5,403,711	4/4/95	Walder, et al.	435	6	
	183	5,508,270	4/16/96	Baxter, et al.	514	47	
	184	4,373,071	2/8/83	Itakura	525	375	
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	186	4,469,863	9/4/84	Ts'o., et al.	536	27	
	187	4,507,433	3/26/85	Miller, et al.	525	54.11	
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	190	5,391,667	2/21/95	Dellinger	526	264	
	191	5,519,134	5/21/96	Acevedo, et al.	544	243	
	192	5,614,617	3/25/97	Cook, et al.	536	23.1	
	193	5,962,425	10/05/99	Walder et al.	514	44	
	194	5,804,683	09/08/98	Usman, et al.	536	25.31	
	195	5,891,683	04/06/99	Usman, et al.	435	91.31	
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	198	5,214,134	05/25/93	Weis, et al.	536	25.3	
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	200	5,223,618	06/29/93	Cook, et al.	544	276	
	201	5,264,562	11/23/93	Matteucci	536	23.1	
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	203	5,434,257	07/18/95	Matteucci, et al.	536	24.3	
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	205	5,489,677	02/06/96	Sanghvi, et al.	536	22.1	
	206	5,541,307	07/30/96	Cook, et al.	536	23.1	
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	208	5,596,086	01/21/97	Matteucci, et al.	536	22.1	
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	210	5,610,289	03/11/97	Cook, et al.	536	25.34	
	211	5,618,704	04/08/97	Sanghvi, et al.	435	91.5	
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	216	5,780,607	07/14/98	Goodnow, Jr., et al.	536	22.1	
	217	5,792,608	08/11/98	Swaminathan, et al.	435	6	
	218	5,792,844	08/11/98	Sanghvi, et al.	536	23.1	
	219	5,808,023	09/15/98	Sanghvi, et al.	536	23.1	
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	222	5,965,721	10/12/99	Cook, et al.	536	23.1	
	223	5,969,118	10/19/99	Sanghvi, et al.	536	22.1	
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	230	4,362,867	12/07/82	Paddock	536	27	
	231	4,775,619	10/04/88	Urdea	435	6	
	232	4,855,225	08/08/89	Fung, et al.	435	6	
	233	4,997,828	03/05/91	Kappas, et al.	514	184	
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	238	5,424,413	06/13/95	Hogan, et al.	536	24.31		
	239	5,426,180	06/20/95	Kool	536	25.3		
	240	5,473,060	12/05/95	Gryaznov, et al.	536	24.3		
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	243	5,514,546	05/07/96	Kool	435	6		
	244	5,516,641	05/14/96	Ullman, et al.	435	6		
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	246	5,543,507	08/06/96	Cook, et al.	536	23.1		
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	248	5,561,043	10/01/96	Cantor, et al.	435	6		
	249	5,571,903	11/05/96	Gryaznov	536	23.1		
	250	5,624,802	04/29/97	Urdea, et al.	435	6		
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	252	5,708,154	01/13/98	Smith, et al.	536	23.1		
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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. ISIS-5318		Application No. 10/700,939	
				Applicant David J. Ecker, et al.			
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Examiner Initial		Document No.	Date	Name	Class	Subclass	
EW	253	5,712,128	01/27/98	Been, et al.	435	91.31	
	254	5,760,012	06/02/98	Kmiec, et al.	514	44	
	255	5,766,903	06/16/98	Sarnow, et al.	435	172.3	
	256	5,919,917	07/06/99	Shiono, et al.	536	23.1	
	257	6,072,044	06/06/00	Seeman, et al.	536	22.1	
	258	6,180,777 B1	01/30/01	Horn	536	25.3	
	259	6,274,723 B1	08/14/01	Nilsen	536	24.3	
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Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
JW	260	WO 92/22651	12/23/92	PCT			
	261	WO 92/20822	11/26/92	PCT			
	262	WO 92/20823	11/26/92	PCT			
	263	WO 94/17093	08/04/94	PCT			
	264	WO 94/02499	02/03/94	PCT			
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	266	339,842	02/11/89	EPO			
	267	2-264792	29/10/90	Japan			
	268	WO/07065	04/30/92	PCT			
	269	WO 99/32619	07/01/99	PCT			
	270	WO 00/44895	08/03/00	PCT	ABSTRACT ONLY	X abstract	
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J.W.	281	Copy of the PCT International Search Report dated August 2, 2004 (PCT/US03/35068)	
/	283	Zhou, Y., et al., "Post-transcriptional suppression of gene expression in xenopus embryos by small interfering RNA," <i>Nucleic Acids Res.</i> , 2002, 30(7), 1664-1669	
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					YES	NO
EW	284	WO 94/23026 A1	10/13/94	PCT	X abstract	
				Abstract Only		
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286	Beigelman, L., et al., "Chemical modification of hammerhead ribozymes," <i>J. of Biological Chem.</i> , 1995, 270(43), 257082-25708	
287	Caplen, N.J., et al., "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems," <i>PNAS</i> , 2001, 98(17), 9742-9747	
288	Czauderna, F., et al., "Structural variations and stabilizing modifications of synthetic siRNAs in mammalian cells," <i>Nucleic Acids Res.</i> , 2003, 31(11), 2705-2716	
289	Paddison, P.J., et al., "Stable suppression of gene expression by RNAi in mammalian cells," <i>PNAS</i> , 2002, 99(3), 1443-1448	
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291	Yu, J.-Y., et al., "RNA interference by expression of short-interfering RNAs and hairpin RNAs in mammalian cells," <i>PNAS</i> , 2002, 99(9), 6047-6052	
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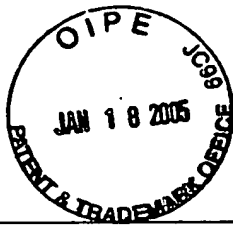
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SW	292	2003/0143732 A1	07/31/03	Fosnaugh, et al.	435	325

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					YES	NO

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* <i>SW</i>	293	5,760,209	06/02/98	Cheruvallath, et al.	536	25.34
* <i>SW</i>	294	5,955,443	09/21/99	Bennett, et al.	514	44
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					YES	NO
* <i>SW</i>	296	WO 02/44321 A2	06/06/02	PCT		

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	Filing Date November 4, 2003	Group 1645
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* <i>plw</i>	297	Amarzguioui, M., et al., "Tolerance for mutations and chemical modifications in a siRNA," <i>Nucleic Acids Res.</i> , 2003 , 31(2), 589-595
** <i>plw</i>	298	Parrish, S., et al., "Functional anatomy of a dsRNA trigger: differential requirement for the two trigger strands in RNA interference," <i>Molecular Cell</i> , 2000 , 6, 1077-1087
**** <i>plw</i>	299	Wang, J., et al., "Cyclohexene nucleic acids (CeNA): serum stable oligonucleotides that activate RNase H and increase duplex stability with complementary RNA," <i>J. Am. Chem. Soc.</i> , 2000 , 122, 8595-8602
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* Cited on PCT International Search Report dated January 6, 2005 (PCT/US03/35071).

** Cited on PCT International Search Report dated January 10, 2005 (PCT/US03/35067).

*** Cited on PCT International Search Report dated January 4, 2005 (PCT/US03/35146).

**** Cited on PCT International Search Report dated January 7, 2005 (PCT/US03/35061).

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**** <i>SW</i>	300	5,567,811	10/22/96	Mistura, et al.	536	25.34
****	301	5,576,427	11/19/96	Cook, et al.	536	23.1
****	302	5,607,922	03/04/97	De Clercq, et al.	514	43
****	303	5,639,873	06/17/97	Barascut, et al.	536	25.3
****	304	5,681,940	10/28/97	Wang, et al.	536	22.1
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***	306	6,294,522 B1	09/25/01	Zablocki, et al.	541	46
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*	309	2003/0206887 A1	11/06/03	Morrissey, et al.	424	93.2
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					YES	NO
** <i>SW</i>	310	WO 03/072705 A2	09/04/03	PCT		
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* Cited on PCT International Search Report dated January 6, 2005 (PCT/US03/35071).

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* JW	311	Rajwanshi, V.K., et al., "LNA stereoisomers: <i>xylo</i> -LNA (β -D- <i>xylo</i> configured locked nucleic acid) and α -L-ribo configured locked nucleic acid)," <i>Chem. Commun.</i> , 1999, 1395-1396	
* JW	312	Steffens, R., et al., "Synthesis and thermodynamic and biophysical properties of tricycle-DNA," <i>Am. Chem. Soc.</i> , 1999, 121(14), 3249-3255	
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* Cited on PCT Written Opinion dated January 28, 2005 (PCT/US03/35072); PCT International Search Report dated February 16, 2005 (PCT/US03/35141); PCT International Search Report dated February 18, 2005 (PCT/US03/35064).

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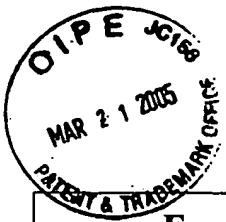
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* SW	313	6,436,640 B1	08/20/02	Simmons, et al.	435	6
* SW	314	2002/0068708 A1	06/06/02	Wengel, et al.	514	44

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* <i>pw</i>	315	2002/0081736 A1	06/27/02	Conroy, et al.	435	455

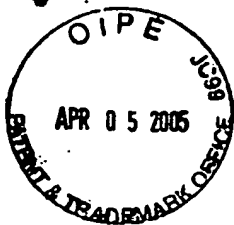
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Examiner Initial		Document No.	Date	Country	Translation	
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EXAMINER *R. Wollenberger*

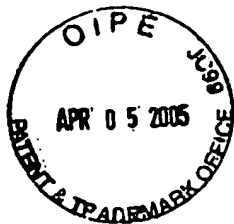
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SW	316	Hunziker, J., et al., "Nucleic acid analogues: synthesis and properties," <i>Modern Synthetic Methods</i> , 1995, 331, 334-417.			
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SW	318	2002/0132788 A1	09/19/02	Lewis, et al.	514	44

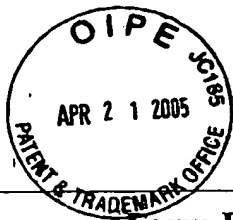
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SW	319	WO 94/01550	01/20/94	PCT		

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